	Application No.	Applicant(s)	
Notice of Allowability	09/826,472	YU, BIN	
	Examiner	Art Unit	
	Ron E Pompey	2812	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet w (OR REMAINS) CLOSED) or other appropriate comm IGHTS. This application is	ith the correspondence address n this application. If not included nunication will be mailed in due course. THI	
1. This communication is responsive to <u>10-21-04</u> .			
2. The allowed claim(s) is/are 1-3 and 5-19.			
3. \boxtimes The drawings filed on <u>29 October 2002</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority units a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Applicati	on No	e
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			
6. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) 🔲 including changes required by the Notice of Draftsper	son's Patent Drawing Revie	w (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in (
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. 🔲 Interview S	nformal Patent Application (PTO-152) Summary (PTO-413),	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/		./Mail Date s Amendment/Comment	
Paper No./Mail Date 4.	8. 🛛 Examiner's	Statement of Reasons for Allowance	
of Biological Material	9.		

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Allowable Subject Matter

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1. Claims 1-3 and 5-19 are allowed.

2. The following is an examiner's statement of reasons for allowance: the prior art of record, either singly or in combination, fails to disclose the limitations of: depositing a second ultra-thin nitride film on the high-k material, thereby forming a sandwich structure, wherein the first and second ultra-thin nitride films are deposited using an atomic layer deposition (ALD) technique; depositing a gate material on the second ultra-thin nitride film wherein said gate material comprises polysilicon-germanium (poly-SiGe); completing formation of the nitride/high-k metal/nitride gate dielectric stack from the sandwich structure.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ron E Pompey whose telephone number is (571) 272-1680. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

Ron Pompey ´ AU: 2812

December 1, 2004

Supervisory Patent Exeminer

Technology Center 2800